

# Notice of Allowability

Application No.

10/538,901

Examiner

Ernest F. Karlsen

Applicant(s)

OSHIMA, HIDEYUKI

Art Unit

2829

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the response of August 14, 2006.
2. ☒ The allowed claim(s) is/are 1, 2 and 4-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 0605
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
ERNEST KARLSEN  
PRIMARY EXAMINER

Claim 1 links Inventions 1-5 as set forth in the Restriction Requirement of July 3, 2006. Claim 1 is found allowable and Inventions 1-5 are rejoined and examined.

**Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

This application is in condition for allowance except for the presence of claims 3 and 11-13 directed to inventions and/or species non-elected without traverse. Accordingly, claims 3 and 11-13 have been cancelled.

In the specification, page 1, after the title:

-- Related Applications

This application is a 371 of PCT/JP03/16218 filed December 18, 2003 and claims priority from Japanese Patent Application No. JP 2002-370634 filed December 20, 2002. –  
has been inserted.

**Reasons for Allowance**

The following is an examiner's statement of reasons for allowance: No reference was found anticipating or a combination of references found making obvious semiconductor test apparatus having first and second strobed time interpolators that are responsive to clock and data signals from a device under test and that output level data to a selection circuit to select output data input to the second time interpolator at edge

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timing of the clocks input to the first time interpolator, the selection circuit outputting the selected data as measurement data of the device under test and an edge selector responsive to one or both interpolators and indicating timing of rising and/or falling edges.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Examiner's Comments**

Claims 1, 2 and 4-10 are allowed.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Miura, Housako, Ohtaki et al, Oshima, Nijima, Kantake and Ohashi et al are cited to show apparatus wherein strobes are used to analyze clock and/or data signals in a semiconductor test environment.

Any inquiry concerning this communication should be directed to Ernest F. Karlsen at telephone number 571-272-1961.

Ernest F. Karlsen

November 8, 2006

  
ERNEST KARLSEN  
PRIMARY EXAMINER